

Title (en)
ESCHERICHIA STRAIN CAPABLE OF CONVERTING XMP TO GMP AND MAINTAINING THE INACTIVATED STATE OF GENE(S) ASSOCIATED WITH GMP DEGRADATION AND METHODS OF USING THE SAME

Title (de)
ZUR UMWANDLUNG VON XMP IN GMP UND ZUR BEWAHRUNG DES INAKTIVIERTEN ZUSTANDS EINES ODER MEHRERER GENE IM ZUSAMMENHANG MIT GMP-ABBAU FÄHIGER ESCHERICHIA-STAMM UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)
SOUICHE ESCHÉRICHIA CAPABLE DE CONVERTIR DU XMP EN GMP ET DE MAINTENIR L'ÉTAT DU/DES GÈNE(S) ASSOCIÉ(S) INACTIVÉ(S) AVEC UNE DÉGRADATION GMP ET PROCÉDÉS D'UTILISATION CORRESPONDANTS

Publication
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Application
EP 06702908 A 20060120

Priority
• KR 2006000221 W 20060120
• KR 20050005863 A 20050121

Abstract (en)
[origin: WO2006078132A1] Provided are mutant strains derived from Escherichia sp. GPU1114 (Accession No. KCCM-10536), having cumulative inactivation of deoD, aphA, appA, and hprt genes, and methods of using the same.

IPC 8 full level
C12N 1/20 (2006.01); **C12N 9/10** (2006.01); **C12N 9/16** (2006.01); **C12P 19/32** (2006.01)

CPC (source: EP KR US)
C12N 1/20 (2013.01 - KR); **C12N 1/205** (2021.05 - EP US); **C12N 9/1077** (2013.01 - EP US); **C12N 9/16** (2013.01 - EP US); **C12P 19/32** (2013.01 - EP US); **C12R 2001/19** (2021.05 - EP US)

Citation (search report)
• [A] FUJIO T ET AL: "High level expression of XMP aminase in Escherichia coli and its application for the industrial production of 5'-guanylic acid", BIOSCIENCE BIOTECHNOLOGY BIOCHEMISTRY, JAPAN SOC. FOR BIOSCIENCE, BIOTECHNOLOGY AND AGROCHEM, TOKYO, vol. 61, no. 5, 1 May 1997 (1997-05-01), pages 840 - 845, XP002138862, ISSN: 0916-8451
• See references of WO 2006078132A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006078132 A1 20060727; CN 101137743 A 20080305; CN 101137743 B 20101208; DK 1844135 T3 20140120; EP 1844135 A1 20071017; EP 1844135 A4 20090415; EP 1844135 B1 20131225; ES 2443099 T3 20140217; JP 2008543272 A 20081204; JP 4769255 B2 20110907; KR 100664653 B1 20070104; KR 20060084994 A 20060726; TW 200637909 A 20061101; US 2008299620 A1 20081204; US 7741101 B2 20100622

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